

CLAIM AMENDMENTS

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application (material to be inserted in amended claims is in **bold and underline**, and material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[]]).

1. (Currently Amended) A tungsten-containing powder-based shot slug, comprising:

a body including:

a nose portion configured to first leave a barrel of a firearm from which the slug is fired, and

a base portion configured to trail the nose portion through the barrel of the firearm from which the slug is fired, wherein the base portion includes an outer skirt that laterally defines a rear internal recess extending into the body; and

wherein the body is formed via powder metallurgy from at least a tungsten-containing component and a binder, **and further wherein the body includes an outer surface and a sealant infiltrated beneath the outer surface.**

2. (Original) The shot slug of claim 1, wherein the body is forward-weighted, with the nose portion containing a majority amount of the body's mass.

3. (Original) The shot slug of claim 1, wherein the nose portion defines a front internal recess extending into the body.

4. (Original) The shot slug of claim 3, wherein the front internal recess extends at least 5% of the slug's length.

5. (Original) The shot slug of claim 1, wherein the nose portion does not include a front internal recess extending into the body.

6. (Original) The shot slug of claim 1, wherein the outer skirt is tapered.

7. (Original) The shot slug of claim 1, wherein the outer skirt defines an outer perimeter that at least substantially corresponds to the diameter of a firearm barrel from which the shot slug is fired.

8. (Original) The shot slug of claim 1, wherein the rear internal recess extends at least 20% of the slug's length.

9. (Original) The shot slug of claim 1, wherein the rear internal recess extends at least 40% of the slug's length.

10. (Original) The shot slug of claim 1, wherein at least a portion of the body has an outer diameter that is dimensioned so that the barrel of the firearm from which the slug is fired imparts ballistic control to the slug.

11. (Original) The shot slug of claim 1, wherein the slug has a density in the range of 10.9 grams/cubic-centimeter and 11.7 grams/cubic-centimeter.

12. (Original) The shot slug of claim 1, wherein the slug has a density in the range of 8 grams/cubic-centimeter to 11 grams/cubic-centimeter.

13. (Original) The shot slug of claim 1, wherein the slug has a density in the range of 11.5 grams/cubic-centimeter and 17 grams/cubic-centimeter.

14. (Original) The shot slug of claim 1, wherein the tungsten-containing component includes an alloy of tungsten, nickel and iron.

15. (Original) The shot slug of claim 1, wherein the tungsten-containing component includes tungsten and iron.

16. (Original) The shot slug of claim 1, wherein the binder includes tin.

17. (Original) The shot slug of claim 16, wherein the binder further includes a polymeric binder.

18. (Original) The shot slug of claim 17, wherein the polymeric binder includes a thermoset epoxy.

19. (Original) The shot slug of claim 1, wherein the binder includes a polymeric binder.

20. (Original) The shot slug of claim 1, wherein the body is frangible.

21. (Cancelled)

22. (Currently Amended) The shot slug of claim 241, wherein the sealant includes a heat-curable sealant.

23. (Currently Amended) The shot slug of claim 241, wherein the sealant is adapted to be cured by exposing the sealant to an anaerobic environment.

24. (Original) The shot slug of claim 1, wherein the body includes a shoulder generally between the nose portion and the base portion.

25. (Original) The shot slug of claim 24, wherein the shoulder defines a plane extending transverse to a central axis of the slug.

26. (Original) The shot slug of claim 1, wherein the body is formed from non-toxic, lead-free materials.

27. (Original) A shot-slug cartridge containing the shot slug of claim 1.

28-43. (Cancelled)

44. (New) The shot slug of claim 2, wherein the nose portion defines a front internal recess extending into the body.

45. (New) The shot slug of claim 2, wherein the nose portion does not include a front internal recess extending into the body.

46. (New) The shot slug of claim 2, wherein the outer skirt is tapered.

47. (New) The shot slug of claim 2, wherein the outer skirt defines an outer perimeter that at least substantially corresponds to the diameter of a firearm barrel from which the shot slug is fired.

48. (New) The shot slug of claim 2, wherein the rear internal recess extends at least 20% of the slug's length.

49. (New) The shot slug of claim 2, wherein at least a portion of the body has an outer diameter that is dimensioned so that the barrel of the firearm from which the slug is fired imparts ballistic control to the slug.

50. (New) The shot slug of claim 2, wherein the slug has a density in the range of 10.9 grams/cubic-centimeter and 11.7 grams/cubic-centimeter.

51. (New) The shot slug of claim 2, wherein the slug has a density in the range of 8 grams/cubic-centimeter to 11 grams/cubic-centimeter.

52. (New) The shot slug of claim 2, wherein the slug has a density in the range of 11.5 grams/cubic-centimeter and 17 grams/cubic-centimeter.

53. (New) The shot slug of claim 2, wherein the tungsten-containing component includes an alloy of tungsten, nickel and iron.

54. (New) The shot slug of claim 2, wherein the tungsten-containing component includes tungsten and iron.

55. (New) The shot slug of claim 2, wherein the binder includes tin.

56. (New) The shot slug of claim 55, wherein the binder further includes a polymeric binder.

57. (New) The shot slug of claim 2, wherein the body is frangible.

58. (New) The shot slug of claim 2, wherein the body includes a shoulder generally between the nose portion and the base portion.

59. (New) The shot slug of claim 58, wherein the shoulder defines a plane extending transverse to a central axis of the slug.

60. (New) A shot-slug cartridge containing the shot slug of claim 2.